

Amendments to the Claims

Please amend the claims as follows:

1 - 34 (Canceled)

35. (Currently Amended) A method of controlling quality of output produced by a multifunction device (MFD) capable of producing both sound and vibration in response to receiving electronic signals, wherein the MFD is embedded in a mobile communication system, the method comprising:

determining whether the mobile communication system is in a first, second, or third state; in the first state, ~~using a first path for:~~

(1) amplifying voice signals produced by an audio processor of the mobile communication system, (2) without modulating the amplified voice signals,

filtering the amplified voice signals to remove low frequency resonance components in the amplified voice signals that fall below a first threshold, and

providing the ~~amplified, filtered~~ amplified filtered voice signals to the MFD; in the second state, ~~using the first path for:~~

(1) amplifying ring tone signals ~~in an amplifier external to the audio processor,~~

(2) filtering the amplified ring tone signals to remove low frequency resonance components in the amplified ring tone signals that fall below a first threshold, and

providing the ~~amplified, filtered~~ amplified filtered ring tone signals to the MFD; and

in the third state, ~~using a second path, that is at least partially distinct from the first path for~~

amplifying a vibration signal ~~in the amplifier external to the audio processor,~~ and providing the ~~amplified, non-filtered~~ amplified non-filtered vibration signal to the MFD by way of bypassing the filtering,

wherein the voice signals, the ring tone signals, and the vibration signal are amplified in an amplifier external to the audio processor,

wherein the amplified ring tone signals and the amplified voice signals are filtered in a filter external to the audio processor,

wherein the amplified ring tone signals and the amplified voice signals are input to the filter via a first path which originates from the output of the amplifier, and

wherein the amplified non-filtered vibration signal is input to the MFD via a second path which originates from the output of the amplifier and bypasses the filer.

36. (Previously Presented) The method of claim 35, wherein the first, second, and third states are set by a user of the mobile communication system.

37. (Previously Presented) The method of claim 35, wherein the MFD produces an audio voice in the first state.

38. (Previously Presented) The method of claim 35, wherein the MFD produces a ring tone in the second state.

39. (Previously Presented) The method of claim 35, wherein a user sets the MFD to produce a vibration in the third state.

40. (Currently Amended) A apparatus for controlling quality of output produced by a multifunction device (MFD) capable of producing both sound and vibration in response to receiving electronic signals, wherein the MFD is embedded in a mobile communication system, the apparatus comprising:

an audio processor for determining whether the mobile communication system is in a first, second, or third state and for amplifying voice signals in the first state;

an amplifier external to the voice processor for amplifying audio signals in the second and third state;

a filter for filtering the amplified voice signals and removing low frequency resonance components in amplified voice signals that fall below a first threshold in the first and second state; and

a switch for providing:

(1) ~~amplified, filtered~~ amplified filtered voice signals to the MFD in the first state, wherein ~~the amplification and~~ the filtering of the voice signals is achieved as the voice signals travel ~~through~~ via a first path,

(2) ~~amplified, filtered~~ amplified ~~filtered~~ ring tone signals to the MFD in the second state, wherein ~~the amplification and the filtering of the ring tone signals is achieved as the~~ amplified ring tone signals are output to the first path to be input to the filter ~~travel through the first path~~, and

(3) ~~amplified, non-filtered~~ amplified ~~non-filtered~~ vibration signals to the MFD in the third state, wherein ~~the amplification of the~~ amplified vibrations signals are output from the amplifier to a second path which bypasses the filter ~~is achieved as the vibration signals travel through a second path that is at least partially distinct from the first path.~~

41 – 42. (Canceled)

43. (Previously Presented) The apparatus of claim 40, wherein the first, second, and third states are set by a user of the mobile communication system.

44. (Previously Presented) The apparatus of claim 40, wherein the MFD produces an audio voice in the first state.

45. (Previously Presented) The apparatus of claim 40, wherein the MFD produces a ring tone in the second state.

46. (Previously Presented) The apparatus of claim 40, wherein a user sets the MFD to produce a vibration in the third state.